

MACOMB COUNTY HEALTH DEPARTMENT



**2005
ANNUAL REPORT
TO THE COMMUNITY**

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*Please take advantage of the
CD provided by the Macomb
County Health Department*

**2005 Macomb County
Health Department**

**Behavioral Risk Factor Survey
&
Executive Summary**
Adobe Acrobat PDF

LETTER FROM THE DIRECTOR

Dear Friends and Colleagues:

I am pleased to present the 2005 Macomb County Health Department Annual Report. Our success in providing the number and quality of services highlighted in this report is the direct result of the efforts of highly professional Health Department staff, dedicated community partners, and the continued support and guidance of the Macomb County Board of Commissioners.

Some of our achievements in 2005 included monitoring and protecting the quality of Lake St. Clair and surrounding surface waters. Through the Health Department the county received approximately \$1,000,000 from the Federal government to put a real-time water monitoring system in place. The project will provide equipment in water treatment plants from Port Huron to Mt. Clemens, notifying plant operators of spilled chemicals or other contaminants in source water. The Health Department also received over \$250,000 in grants from Michigan Department of Environmental Quality for additional water quality projects, including the expansion of the Facility Dye Testing Program.

We worked in close cooperation with our community partners to strengthen prevention programs in the county. The Healthy Kids, Healthy Futures Program partnered with local schools to bring healthy eating and exercise programs to children. During the flu season, the Department gave over 23,000 flu shots to residents, the majority provided at outreach clinic sites. We also assisted local private providers in getting flu vaccine through a re-allocation program. Our ongoing community health assessment program concluded a locally funded 2005 Behavioral Risk Factor Survey, which you will find on the CD located on the inside front cover of this report.

Please take a moment to peruse our work and contact us with your comments and ideas. Tell us what we do well and where we can improve further in protecting and promoting the personal and environmental health of our residents and our communities.

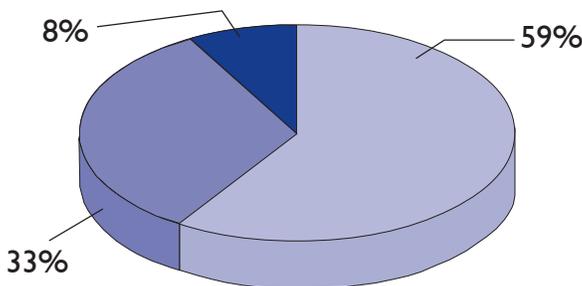
Sincerely,


 Thomas J. Kalkofen, M.P.H.
 Director / Health Officer

*Accredited with Commendation by the Michigan
 Public Health Accreditation Commission*

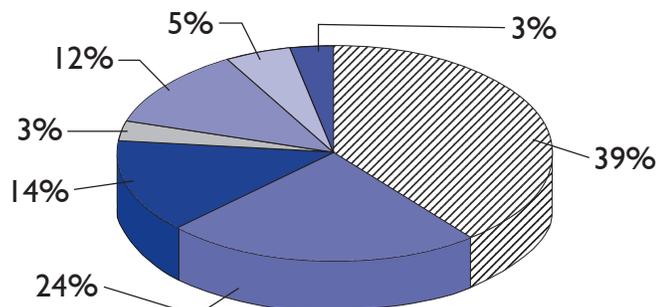
MACOMB COUNTY HEALTH DEPARTMENT 2005 BUDGET

REVENUES: \$27,202,379



- County Appropriation
- State/Federal Grants
- Fees

EXPENSES: \$27,202,379



- Family Health Services
- Administration
- Environmental Health
- Animal Shelter
- Medical Examiner
- Emergency Preparedness

SELECTED HEALTH INDICATORS

MATERNAL AND INFANT HEALTH - 2004

Most maternal and infant health indicators for Macomb County compare favorably with Statewide figures.

Maternal and Infant Indicators	Macomb County	Michigan
Total Births	10047	129710
Teen Births (<20 Yrs. Of Age)	5.2%	9.6%
Low Birthweight (1)	7.4%	8.4%
Very Low Birthweight (2)	1.3%	1.7%
Preterm (3)	9.7%	9.9%
Infant Death Rate (4)	5.8	7.6
White Infant Death Rate	4.9	5.2
Black Infant Death Rate	15.4	17.3
Neonatal Death Rate (5)	3.7	5.4
Perinatal Death Rate (6)	8.8	10.4
White Perinatal Death Rate	7.9	7.9
Black Perinatal Death Rate	16.8	20.3

Notes:

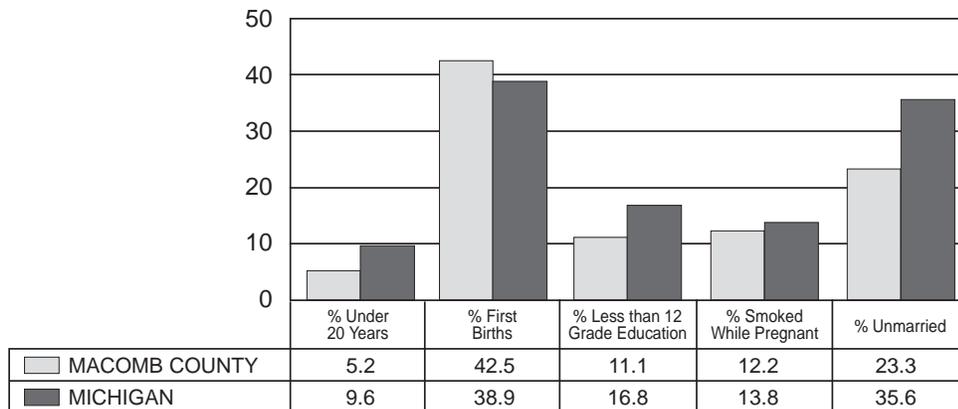
- (1) Low weight births are less than 2,500 grams
- (2) Very low weight births are less than 1,500 grams
- (3) Preterm births are infants born prior to 37 completed weeks of gestation
- (4) Infant deaths per 1,000 live births

(5) Infant deaths that occurred within the first 27 days of life per 1,000 live births

(6) Fetal deaths plus deaths to individuals less than 7 days of age

Source: 2004 Resident Birth-Death File, Division for Vital Records and Health Statistics
Michigan Department of Community Health

SELECTED MATERNAL CHARACTERISTICS - 2004



Source: 2004 Resident Birth File, Division for Vital Records and Health Statistics
Michigan Department of Community Health

TOP TEN COMMUNICABLE DISEASES IDENTIFIED IN MACOMB COUNTY - 2005

Influenza-Like Illness	73803	Viral Meningitis	94
Chlamydia	1297	Campylobacter	58
Varicella (Chickenpox)	395	Salmonella	77
Chronic Hepatitis C	334	Giardia Lambia	30
Gonorrhea	398	Invasive Streptococcal Disease	20
Chronic Hepatitis B	188		

Source: 2005 Communicable Disease Epidemiology,
Michigan Department of Community Health

SELECTED HEALTH INDICATORS

LEADING CAUSES OF DEATH - 2004

Major causes of death in Macomb County are similar to those Statewide. The top three causes, heart disease, cancer, and stroke account for two-thirds of all mortality.

**Leading Causes of Death and Age-Adjusted Death Rates,
Macomb County Residents, Michigan Residents, 2004**

Rank in Michigan	Cause of Death	Number of Deaths		Rate of Deaths	
		Macomb	Michigan	Macomb	Michigan
1	Heart Disease	2268	24804	241.7	234.2
2	Cancer	1691	19654	187.4	189.5
3	Stroke	447	5282	47.2	49.8
4	Chronic Lower Respiratory Disease	349	4246	37.9	41.0
5	Unintentional Injuries (Accidents)	196	3299	22.4	32.1
6	Diabetes Mellitus	222	2954	24.4	28.4
7	Alzheimer's Disease	143	2231	14.7	20.6
8	Pneumonia/Influenza	124	1959	13.0	18.3
9	Kidney Disease	131	1511	13.9	14.4
10	Intentional Self-Harm (Suicide)	97	1096	11.4	10.7
	All Other Causes	1510	18086	166.3	173.2
	Total	7178	85122	780.3	812.2

Notes:

Age-adjusted death rates use a "standard" population with an age distribution equal to that of the total population of the United States for the year 2000.

Source: 2004 Michigan Resident Death File, Division for Vital Records and Health Statistics
Michigan Department of Community Health

2005 BEHAVIORAL RISK FACTOR SURVEY

The Macomb County Health Department (MCHD) recently released the 2005 "Macomb County Behavioral Risk Factor Survey" (BRFS). As part of our community health assessment responsibilities, we designed our 2005 BRFS with support and input from the Macomb County Board of Commissioners, the Southeastern Michigan Health Association and Macomb County's Healthy Kids Healthy Futures Coalition to provide timely, accurate, and scientifically valid information for individuals and organizations who make critical health decisions in Macomb County.

A key step in developing our profile of community risk factors was to conduct a large-scale randomized telephone interview survey of Macomb County residents. This survey, designed in conformance with CDC standards, included 1,116 adult residents of Macomb County aged 18 and older, and a proxy survey of 214 children aged 5 – 15 years. Data was collected from June 6, 2005 through September 12, 2005. The survey can be viewed on the Health Department web site at www.macombcountymi.gov/publichealth/BRFS/healthstat.asp

The survey continues to confirm that County residents have a high prevalence of conditions and behaviors which increase their risk of Cardiovascular Disease. For more information on the Macomb County Behavioral Risk Factor Study, please review the CD attached on the inside front cover of this report.

Macomb County Behavioral Risk Factor Survey Highlights

	Macomb 1996	Macomb 1999	Macomb 2002	Macomb 2005	Michigan 2004
% Indicated having no health care coverage	6.2	5.8	11.3	13.1	14.2
% Ever told you have high blood pressure	28.6	31.2	28.6	25.8	*26.8
% Ever told you have high cholesterol	27.4	29.1	32.4	31.3	*37.6
% Respondents classified as overweight	30.6	37.1	37.8	40.0	35.5
% Respondents classified as obese	NA	NA	22.3	23.1	25.5
% Residents engaged in NO physical activity	NA	26.4	15.8	17.7	22.1
% Reported that they currently smoke	28.9	28.8	28.4	24.4	23.4

* 2003 Behavioral Risk Factor Survey, Michigan Department of Community Health

ENVIRONMENTAL HEALTH

FOOD SERVICE SANITATION PROGRAM

The "Food Safety Training for Food Service Establishments" regulation, approved by the Macomb County Board of Commissioners, became effective January 1, 2004. The regulation establishes the requirement of a manager at each food service establishment that is certified in safe food handling practices. The regulation will become fully effective on January 1, 2007.

In 2005, approximately 140 food service managers completed the certified manager course offered by the Macomb County Health Department, and 40 food service managers became re-certified. For information on classes offered by the Macomb County Health Department, you can contact the Environmental Health Services Division at 586-469-5236.

A copy of the regulation may be obtained at the Environmental Health office of the Macomb County Health Department, 43525 Elizabeth Road, Mt. Clemens, Michigan, 48043, during normal business hours. The regulation can also be viewed on the Health Department web site at www.macombcountymi.gov/publichealth/EH/EHPrograms.asp

Total licensed food service facilities in Macomb County = 2,341

Number of inspection services performed in 2005

Food Service Inspections	4,168	Food Service Construction Plans Reviewed ..	164
Follow-up Inspections	1,578	Food Borne Outbreak Investigations	18
Temporary Food Inspections	395	Food Service Complaints Investigated	362

WEST NILE VIRUS MONITORING

The Environmental Health Services Division continued to monitor the county for West Nile Virus activity through mosquito and dead corvid (crows, ravens, blue jays) testing. Surveillance began the first week of June and ended the first week of September.

Mosquito traps were set out at several locations and were rotated around the county each week. In 2005, no mosquito pools tested positive for West Nile Virus.

The Health Department tracked reports of dead crows and blue jays and sent birds in good condition to the state for testing. In early August, the department received notification that a dead blue jay collected in Harrison Township tested positive for West Nile Virus.

In April 2005, the Board of Commissioners approved the re-establishment of the West Nile Virus Assistance Fund in the amount of \$250,000 to be utilized by county municipalities. Thirteen municipalities requested financial assistance to conduct mosquito control activities such as larvaciding and habitat reduction in addition to educational activities. Four human cases were reported in Macomb County in 2005.

ENVIRONMENTAL HEALTH

PUBLIC SWIMMING POOL PROGRAM

The Environmental Health Services Division performs yearly inspections of all licensed public swimming pools in Macomb County. Inspections address the condition of the pool structure and enclosure area, water filtering equipment and safety equipment. Pool water quality is monitored throughout the swimming season by requiring pool owners to contract with a laboratory to conduct weekly testing and send the results to the Health Department.

Total licensed public swimming pools in Macomb County = 318

LAKE ST. CLAIR REGIONAL MONITORING PROJECT

In late 2003, the Michigan Legislature allocated \$2.5 million for water quality monitoring in Lake St. Clair, the St. Clair River and the Clinton River Watershed. This three-year project is being administered at the State level by the Michigan Department of Environmental Quality and locally by the Macomb County Board of Commissioners through the Macomb County Health Department, with Oakland, St. Clair and Wayne counties as partners.

The Lake St. Clair Regional Monitoring Project continued throughout 2005 to acquire streamflow and water and sediment quality data, with emphasis on the effects of major storm events. This included continuous water quality monitoring at 13 fixed stations; automatic and manual grab sampling for one wet weather event (10 events are planned for the entire project); continuous and manual streamflow measurements at 23 locations and rainfall monitoring at five locations. The field sampling phase of the project concluded on September 30, 2005.

Project data will be available on a project website and will be analyzed for preparation of a comprehensive final report set to be released in 2006. Additional information can be viewed on the Lake St. Clair Regional Monitoring Project web site at www.lakestclairdata.net

Progress Made in 2005:

- Streamflow and continuous water quality monitoring, at project specified locations, was conducted by the USGS;
- Planning and design of the project's website, with an embedded database, are underway by the designated project contractor;
- Twelve sets of dry weather samples, and nine sets of wet weather samples were collected in 2005;
- The project's independent quality control consultant has reviewed the available analytical results data prior to loading onto the database;
- Concurrent with these monitoring efforts, the Macomb County Health Department continued its seasonal Lake St. Clair Assessment for the eighth consecutive year; and resulting water and sediment data will become part of the project database.

ENVIRONMENTAL HEALTH

ENVIRONMENTAL MANAGEMENT AND RISK ASSESSMENT (EMRAP)

In 2005, the EMRAP program responded to more than 80 environmental incidents involving hazardous and polluting materials, which held the potential for adversely affecting public health and the environment. Working with local first responders, State and Federal environmental agencies, EMRAP assisted in bringing these incidents to successful conclusions.

EMRAP's Household Hazardous Waste Program conducted 19 separate collection events in 2005 and accommodated 2,608 clients, diverting over 73 tons of hazardous waste and more than 3,000 gallons of waste oil were collected for proper disposal. Additionally, in response to the growing concern of trace amounts of pharmaceuticals appearing in our surface waters, EMRAP initiated a pill collection and disposal program. Clients are encouraged to deliver unwanted medications to the Health Department and discontinue the long-standing practice of flushing them down the toilet. E-wastes (i.e. computer components) were also targeted for removal from the traditional solid waste stream due to their high lead and mercury content. In cooperation with Dell, Goodwill, the Department of Environmental Quality and the Cooperative Extension Service, a collection event was conducted at Freedom Hill, which resulted in an estimated 30 tons of computer wastes collected and recycled.

EMRAP staff also provided additional environmental services by conducting investigations of lead poisoned children, mercury spill response and coordinating educational training opportunities for Police, Fire and EMS.

SURFACE WATER IMPROVEMENT & MONITORING TEAM (SWIM)

The Surface Water Improvement and Monitoring (SWIM) Team Program conducts water quality sampling and investigations in the county of Macomb. The Public Bathing Beach Sampling Program, which began in 1948 and continues today, includes the twice weekly monitoring and water sampling at six public beaches, from April – September. The SWIM Team Program also monitors the county's watersheds with the weekly collection of over 60 surface water samples. These water samples provide vital information about the quality of water flowing through the county's main tributaries.

Pollution investigations, initiated by citizen complaints or by referrals from local municipalities, are also an important element of the SWIM Team's responsibilities. Additionally, the SWIM Team administers Macomb County Health Department's Illicit Discharge Elimination Program (IDEP), which is partially funded through two Clean Michigan Initiative Grants that were awarded to Macomb County. The IDEP Program encompasses the systematic elimination of illicit discharges. One portion of the program entails surveying hundreds of miles of streams, open drains and roadside ditches to locate and sample pipes that may discharge pollutants into the county's waterways. A second component is dye-testing the plumbing of commercial, industrial and institutional buildings in the city of Warren and Centerline, ensuring proper connection into the sanitary sewer system.

REGULATIONS GOVERNING ON-SITE SEWAGE AND ON-SITE WATER SUPPLY EVALUATION AND MAINTENANCE

These regulations are designed to protect the quality of our surface water and groundwater resources by requiring owners to have on-site water supply and sewage disposal systems evaluated prior to sale. Evaluations may be conducted by certified evaluators or by Health Department staff. During 2005, 725 sewage disposal systems and 306 well water systems were evaluated. Of those, 144 sewage systems and 60 well systems failed to meet minimum standards and were corrected. Without these regulations, which were passed in 2002, such problems would go undetected and contribute to degraded water quality.

FAMILY HEALTH SERVICES

PROGRAM SUMMARY 2004/2005

PROGRAM	PEOPLE SERVED
Children's Special Health Care Services	1,043
Public Health Nursing	7,935
Dental	2,106
Family Planning	3,615
Sudden/Unexpected Infant Death/Grief Counseling	10
Women, Infants and Children (WIC)	8,097

INFANT MORTALITY NETWORK

Michigan's African American infant death rate is the 8th worst in the nation. Michigan's African American infant mortality rate is three times the Caucasian rate. Macomb County has been identified as one of eleven counties in Michigan with the highest Black/White infant mortality disparity, (see statistics, page 2).

Macomb County Health Department, through a grant from the Michigan Department of Community Health, has been charged to facilitate the development of an Infant Mortality Network in Macomb County to address the Black/White infant mortality disparity. Work is currently in progress to gain commitment from identified community representatives for coalition membership.

The goal of the Infant Mortality Network is to provide a forum to share ideas, solve problems, identify best practices, rise to challenges and analyze and celebrate successes in reducing infant mortality disparity in the Macomb County African American population.

Focus groups are planned to obtain client information regarding the current status of the Macomb County maternal & infant health care system. Future plans are being developed to perform a community systems analysis to define service gaps in our community that result in barriers to keeping more African American babies alive and healthy.

To assist in reducing infant mortality, a Macomb County Fetal Infant Mortality Review (FIMR) team is being developed. Macomb County Health Department staff will be abstracting information on African American infant deaths in 2005. Information gained from these abstractions will be shared with the Infant Mortality Network to assist in identifying local issues affecting poor birth outcomes and to developing goals to improve services and resources.

CHILDREN'S HEALTH FAIR – 2005

The 2005 Children's Health Fair was held on October 22nd under the direction and guidance of the Macomb County Board of Commissioners. Health services were provided to children birth to 18 years of age. There were 1,354 persons in attendance. Sixty human service partners sent 200 + professionals to distribute over 19,000 health education information pamphlets, answer questions, offer expert advice, and provide health screenings and immunizations to Macomb County families in a fun and healthy atmosphere.

FAMILY HEALTH SERVICES

DISEASE PREVENTION

Vaccines have reduced or eliminated many infectious diseases that once routinely killed or harmed many infants, children, and adults. However, the viruses and bacteria that cause vaccine-preventable disease and death still exist and can be passed on to people who are not protected by vaccines. Vaccine-preventable diseases have many social and economic costs: sick children miss school and parents lose time from work. These diseases also result in doctor's visits, hospitalizations, and even premature death.

CHILDREN IMMUNIZATIONS

During 2005, Macomb County Health Department immunization clinics provided the following protective doses:

- Measles/Mumps/Rubella – 5,243 doses
- Varicella (Chickenpox)– 2,915 doses
- Diphtheria/Tetanus/Pertussis(Whooping Cough) – 8,462 doses
- Haemophilis influenzae type b (HIB disease)– 4,729 doses
- Hepatitis A – 270 doses
- Hepatitis B – 6,880 doses
- Influenza – 3,265 doses
- Polio – 7,254 doses
- Pneumococcal Conjugate – 6,899 doses

Of children 19-36 months old who were current clients of the Health Department, 82% were completely immunized. For all 19-36 month old children in Macomb County, 69% were completely immunized.

OLDER CHILDREN & ADULT IMMUNIZATIONS

During 2005, Macomb County Health Department immunization clinics provided the following protective doses:

- Adult Diphtheria/Tetanus – 5,309 doses
- Hepatitis A – 1,355 doses
- Hepatitis B – 2,188 doses
- Influenza – 24, 021 doses
- Meningitis – 1,486 doses
- Pneumonia – 1,317 doses
- Polio – 130 doses
- Rabies Pre/Post-exposure – 154 doses
- Varicella – 368 doses

Macomb County Health Department, along with 438 physicians in Macomb County, continues to enter all immunizations administered into the Michigan Childhood Immunization Registry (MCIR).

HEALTH PROMOTION DISEASE CONTROL

PROGRAM SUMMARY 2004/2005

<u>PROGRAM</u>	<u>PEOPLE SERVED</u>	<u>PROGRAM</u>	<u>PEOPLE SERVED</u>
Breast & Cervical Cancer Screening	659	Hearing & Vision Screening	137,315
Cardiovascular Disease Risk Reduction	7,639	HIV/AIDS Counseling & Testing	1,568
Child Passenger Safety Program	315	Nutrition Services	4,358
Communicable Disease Investigations	1,362	Sexually Transmitted Disease Testing	3,157
Community Health Outreach Program	718	& Education	2,314
Health Education	14,154	Travel Information	561
		Tuberculosis	276

MOVING IN MACOMB

Moving in Macomb was a series of outdoor health and fitness fairs that were held in the summer of 2005 and were designed to help residents of Macomb County prevent obesity and other chronic diseases. The initiative addressed two closely related factors – poor nutrition and inadequate physical activity. In the United States, physical inactivity and unhealthy eating are the underlying causes of 300,000 preventable deaths each year. *Moving in Macomb* was developed and implemented by the Nutrition unit of the Macomb County Health Department. The fairs were multi-faceted and consisted of hands-on activities, a fun and challenging obstacle course, and nutrition information. Healthy eating and the importance of teaching children responsible food choices at an early age were stressed.

Adults and children were given pedometers, encouraged to walk a one-mile course, and to take part in interactive learning stations. Families that completed the walking course received bottled water, healthy snacks, and participated in a raffle with prizes that promoted good nutrition and physical activity.

Moving in Macomb will be expanded to include the community partners of the Healthy Kids Healthy Futures Coalition of Macomb County.

2005 CHILD PROXY BEHAVIORAL RISK FACTOR SURVEY RESULTS

Overweight and obese children and teens are at greater risk for many co-morbid conditions, both immediate and long term. Their risk is approximately ten times greater than that of normal weight children for hypertension in young adulthood, three to eight times greater for dyslipidemias, and more than twice as great for diabetes mellitus.¹

Weight 5 - 15 Yrs.	12.7 % overweight 11.2 % underweight
Nutrition 10 – 15 Yrs.	13.4 % eat fast foods 3 or more times/wk 96.8 % have less than 5 servings of fruits, vegetables per day
Screen Time 10 – 15 Yrs.	2 hours 43 minutes per day
Child Safety 10 – 15 Yrs.	27.0 % never wore a helmet biking, skate boarding, roller blades

For more information on the Child Proxy survey, please review the CD attached on the inside front cover of this report.

¹ Centers for Disease Control and Prevention. *Morbidity and Mortality Weekly Report*. September 2, 2005

HEALTH PROMOTION DISEASE CONTROL

TRAVELER HEALTH INFORMATION

Foreign travel is becoming a more common occurrence for many Macomb County residents. Health and immunization requirements for such travel are available at the Macomb County Health Department's Communicable Disease (CD) Unit.

Travelers who contact the CD Program are able to obtain country-specific information, including immunization recommendations and requirements, as well as embassy locations, phone numbers, travel advisories, and current health concerns.

Callers need to provide their date of departure, length of stay, and rural versus urban destinations. Prior immunizations are reviewed to determine if adequate disease protection exists, or if booster doses are necessary. Upon request, a packet of information specific to each destination is mailed free of charge.

Routine immunizations are available at Health Department Immunization Clinics, while private travel health clinics are able to provide immunizations against yellow fever, medication for malaria prevention, and other conditions.

Over 561 travelers had obtained health-related information concerning their foreign travel plans by September 30, 2005. Additional information can be viewed on the Health Department web site at www.macombcountymi.gov/publichealth/hpdc/hpdc_travel.asp

ANIMAL SHELTER

The Animal Shelter is committed to ensuring the safety of Macomb County residents with regard to animal related issues, while providing appropriate and humane treatment of the animals. The Shelter's animal placement services have been expanded to include utilization of approved animal rescue leagues and donation of dogs to various service organizations including Leader Dogs, Paws with a Cause, and the U.S. Customs Service.

The Animal Shelter provides a wide range of animal related services, including pet adoptions, shelter for lost or unwanted animals, animal cruelty investigations, enforcement of State dog laws, dog licensing, animal bite reports, and quarantine follow up, rescue services for both wild and domestic animals, removal of deceased animals from roadways, and placement services for exotic animals. You can visit us on the web at www.macombcountymi.gov/publichealth/animal.asp

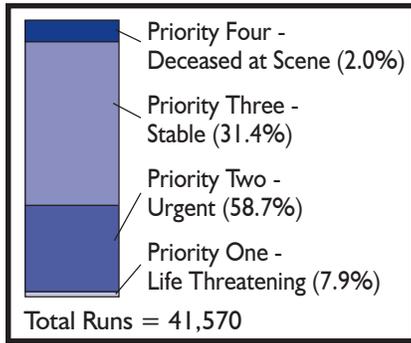
	2000	2001	2002	2003	2004	2005
Total Animals Processed	12,441	12,691	12,908	12,350	12,906	11,700
Returned to Owners	1,359	1,433	1,487	1,261	1,441	1,179
Total Adoptions	1,694	1,769	1,627	1,445	1,443	1,370
Dogs/Puppies	769	848	808	760	704	676
Cats/Kittens	856	893	764	611	666	616
Others	69	28	55	74	73	78

EMERGENCY SERVICES

EMERGENCY MEDICAL SERVICES

Emergency Medical Services operates under the Public Health Code and is under the jurisdiction of the Macomb County EMS Medical Control Authority/Board. This Authority/Board is charged by law to oversee the provision of EMS in the county and holds accountable prehospital providers and personnel, to policies/protocols adopted by the Authority/Board.

E.M.S. RUNS BY PRIORITY LEVEL



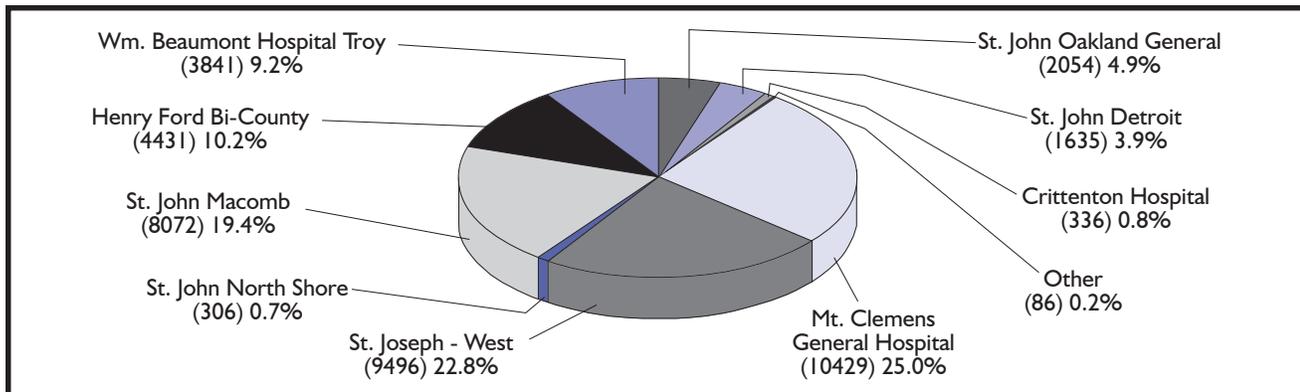
The Authority/Board consists of participating hospitals, prehospital providers both public and private, and representatives of police, fire, consumer and public health. The Authority/Board acts as an advisory to the Macomb County Board of Commissioners who also has a representative on the board.

The Emergency Medical Services provides a quick response to all citizens in crisis with an advanced system covering the entire county. Through radio communications, prehospital personnel have access to emergency facility physicians for necessary medical direction and transport to the closest appropriate facility.

MACOMB COUNTY MEDCOM RUN STATS

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
2003	2664	2373	2484	2336	2653	2572	2583	2718	2612	2667	2588	2894
2004	3203	3043	3205	3102	3109	3319	3155	3214	3271	3277	3001	3369
2005	3606	3351	3473	3422	3477	3402	3299	3435	3529	3475	3434	3667

MACOMB COUNTY EMERGENCY MEDICAL RUN DESTINATIONS BY HOSPITAL, 2005



EMERGENCY PREPAREDNESS PROGRAM

The Emergency Preparedness Program has continued to develop plans and to participate in many local and regional exercises. Under the Cities Readiness Initiative, the Health Department is partnering with local municipalities and community pharmacies to dispense medications to the public at large during a public health emergency or disaster. The Department held two workshops with community pharmacies and has coordinated efforts with the Macomb Pharmacists Association. The Health Department is an important partner with our local planning team under the leadership of Macomb County Department of Emergency Management in support of the Urban Area Security Initiative. The Health Department has developed a comprehensive All Hazards Plan. Plans are being expanded to include emerging infectious disease threats such as Pandemic Influenza and Avian Influenza. For more information, go to www.macombcountymi.gov/publichealth and select Emergency Preparedness Program.

OFFICE OF THE MEDICAL EXAMINER

OFFICE OF THE MEDICAL EXAMINER

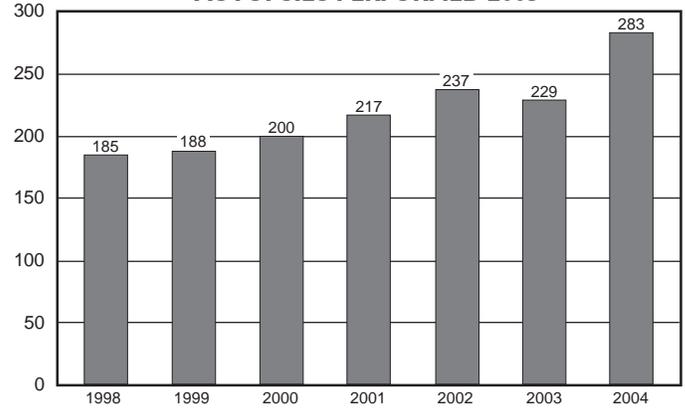
Operating administratively under the Macomb County Health Department, the Office of the Medical Examiner investigates the cause and manner of deaths involving violence, accidents, and deaths not attended by a physician.

The investigation includes an examination of the scene, an autopsy where necessary to determine the cause and manner of death, and the certification of death certificates for these cases. This investigation provides information relative to criminal prosecution in appropriate cases, settlement of estates, and public health statistics on communicable disease and other mortality data.

In 2005, the Office of the Medical Examiner performed 361 autopsies and issued 2,337 cremation permits. The Office of the Medical Examiner also took reports of 1,143 home hospice deaths. These deaths are tracked separately from regular Medical Examiner cases.

A Medical Examiner Investigator is available at all times to respond to calls from the police, hospital personnel or hospice personnel.

AUTOPSIES PERFORMED 2005



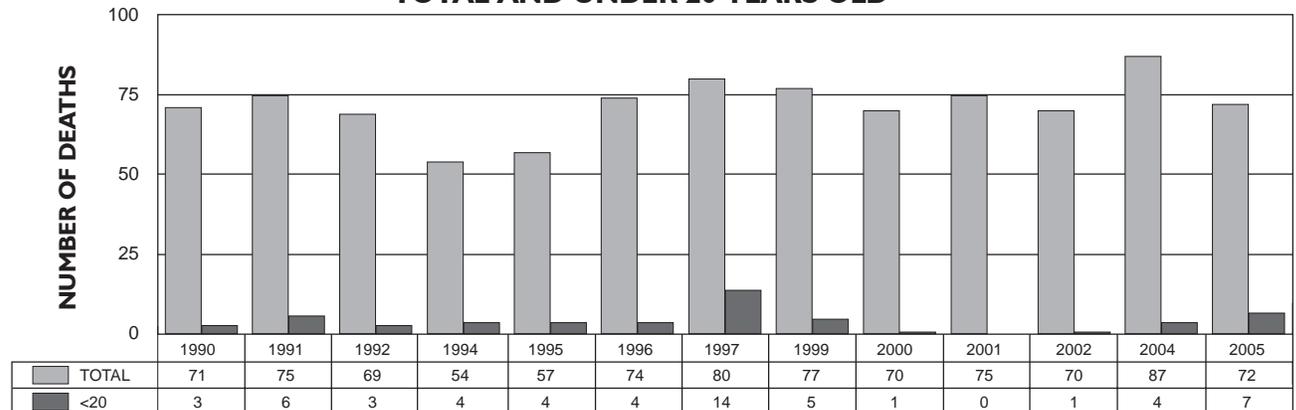
AGE BREAKDOWN BY CAUSES OF DEATH - 2005

2005	<20	20-29	30-39	40-49	50-59	60-69	70-79	80 & >	Grand Total
Natural	6	8	40	88	177	198	283	456	1256
SIDS	1	0	0	0	0	0	0	0	1
Drug OD	2	11	33	47	24	3	1	2	123
Guns	5	6	5	11	5	4	3	1	40
Stabbing	0	0	1	1	0	0	0	0	2
Hanging	3	2	6	3	2	1	0	0	17
Motor Vehicle	6	7	7	10	10	1	2	5	48
Poison	0	0	1	6	3	0	0	1	11
Drowning	2	0	2	2	2	0	0	0	8
Fall or Crushing	0	0	1	1	3	1	5	21	32
Other	10	3	4	1	3	3	1	3	28
Undeterminable*	3	0	0	0	0	0	0	0	4
Pending	0	0	0	0	0	0	0	0	0
Non-Human**	0	0	0	0	0	0	0	0	16
Totals	38	37	100	170	229	211	295	489	1586
Suicides	7	6	15	22	9	6	4	3	72
Homicides	5	2	3	4	3	0	0	0	17
Accidents	15	18	35	50	35	5	8	31	197

*The Undeterminable category total includes 1 case of an unidentified human skull, the age of which could not be determined.

**The Non-Human category includes all cases of non-human (animal) bones brought to the Medical Examiner by law enforcement agencies.

**SUICIDES IN MACOMB COUNTY, 1990 THRU 2005
TOTAL AND UNDER 20 YEARS OLD**



HEALTH DEPARTMENT WEB SITE

EASIER SURFING AT THE NEW HEALTH DEPARTMENT WEB SITE

The redesigned web site features expanded information about the Health Department's programs and services, and navigating the site is straightforward and more appealing.

The redesigned web site provides visitors with multiple ways to access information including Google searches, drop-down lists and A-Z alphabetical keyword indexes. New buttons on the home page include "Forms", where visitors can download and print 15 commonly requested Environmental Health forms, and "Fees", where visitors will find accurate fee information for a variety of Health Department services.

In addition, visitors may subscribe to many of the Health Department web pages and receive automatic notification by e-mail when content changes on the pages.

Do you have questions about health statistics or environmental issues in Macomb County, want to know more about the pet adoptions and dog licensing, beach closings or how to protect yourself against the flu? One quick and easy way is to click onto the Macomb County Health Department on the Internet.

www.macombcountymi.gov/publichealth

The Macomb County Health Department web site contains information including such services as:

- Animal Shelter / Control
- Restaurant Inspections
- Personal and Environmental Health
- The Macomb County Tobacco Prevention Coalition
- 1999, 2002, and 2005 Macomb County Behavioral Risk Factor Survey
- County Medical Examiner's Office
- Emergency Medical Services
- Health Statistics
- Emergency Preparedness Program

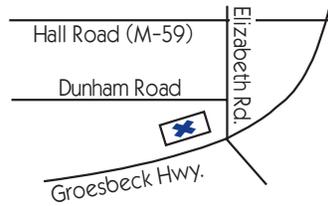


In addition, the web site also contains
A **“What's New”** section,
A health calendar and links to other community resources.

**For further information call
(586) 469-5699**

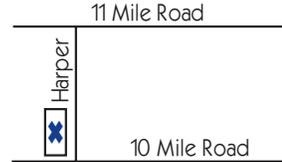
CENTRAL HEALTH SERVICE CENTER

43525 Elizabeth Road
 Mt. Clemens,
 Michigan 48043
 (586) 469-5235



SOUTHEAST HEALTH CENTER

25401 Harper Avenue
 St. Clair Shores,
 Michigan 48081
 (586) 466-6800



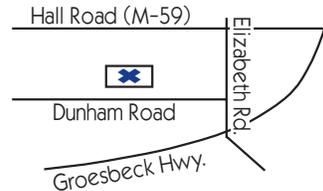
SOUTHWEST HEALTH CENTER

27690 Van Dyke
 Warren,
 Michigan 48093
 (586) 573-2210



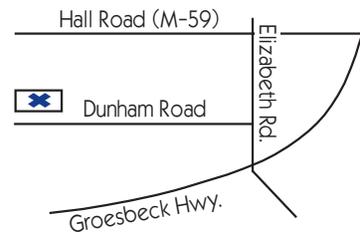
WIC/(WOMEN, INFANTS & CHILDREN)

Verkuilen Building
 21885 Dunham Road
 Clinton Township,
 Michigan 48036
 (586) 469-5471



MACOMB ANIMAL SHELTER

21417 Dunham Road
 Clinton Township,
 Michigan 48036
 (586) 469-5115



KNOLLWOOD OFFICE CENTER

16931 19 Mile Road
 Clinton Township, #130
 Michigan 48038
 (586) 412-3387



NINE MILE FACILITY

6800 E. 9 Mile Road
 Warren,
 Michigan 48091

